APKInformation

Holds information about each specific Android application. The majority of the data is raw or manipulated data collected from the download source.

Name: Name of the application
Version: Reported version
Developer: Reported developer
Genre: Reported genre
UserRating: Reported user rating
DatePublished: Reported date published
FileSize: Reported file size
NumberOfDownloads: Reported Number of downloads
OperatingSystems: Reported Operating System
URL: URL of examined APK
SourceID: FK to APKSources table
apkID: Unique identifying value of the apk, used only for analysis.
CollectionDate: Date the file was scraped.
LowerDownloads: Parsed NumberOfDownloads field to only show the lower download count.
UpperDownloads: Parsed NumberOfDownloads field to only show the upper download count.
GeneratedFileSize: Size of the apk file as reported by our analysis.
ModifiedDatePublished: Converted publication date to a more analysis friendly format.
ModifiedOS: Not used
GeneratedVersion: Not used
isDownloaded: Only used for analysis
isJavaAnalyzed: Only used for analysis
ModifiedOSText: Converted OperatingSystems field to a more analysis friendly format.

APKSources
List of sources the apkfiles may be downloaded from.

ID: Unique identifying value of the download source
Name: Name of the download source.

OverPrivilege

Holds list of overprivileges for each application as determined by Stowaway.

PermissionID: FK to the permission in the permissions table

APKID: FK to the apkID in the APKInformation Table

Permissions

Holds list of discovered permissions (over or under) as reported by Stowaway.

PID: Unique Identifying value.
Name: Permission Name

ToolResults

Stores analysis results from a number of different tools and measurements.

APKID: FK to the APKInformation table
FuzzyRiskValue: Risk value reported by AndroRisk
FindBugsWarningCount: Not used. Left in place in case Findbugs is ever used.
FindBugsErrorCount: Not used. Left in place in case Findbugs is ever used.
CodeCloneCount: Not used.
JavaFiles: Total number of decompiled java files.
ClassFiles: Total number of decompiled class files.
JlintResult: Defects reported by jLint
DefectCount: Defect count reported by Checkstyle.
apkParser_versioncode: Version code reported by the apkParser tool.
apkParser_versionName: Version name reported by the apkParser tool.
apkParser_minsdk: Minimum required sdk as reported by the apkParser tool.
loc: Total lines of code in the decompiled Java files.
Simcad_SourceFragment: Source fragments as reported by Simcad.
Simcad_CloneFragment: Clone fragments as reported by Simcad.
Simcad_CloneGrooup: Clone groups as reported by Simcad.
apkParser_targetsdk: TargetSDK reported by apkParser.

Underprivilege

Holds list of under privileges for each application as determined by Stowaway.

PermissionID: FK to the permission in the permissions table
APKID: FK to the apkID in the APKInformation Table

apkParser_intents

Contains list of utilized intents as reported by Stowaway.
intentID: Unique identifying intent value.
IntentName: Name of intent.

apkParser_intents_join
Join table for linking reported intents and Android application.

rowID: FK to the rowID in the ApkInformation table.
IntentID: FK to the intentID in the apkParser_intents table.

apkParser_privs
Lists the application privileges as reported by apkParser. This is the total number of requested permissions as derived from the AndroidManifest.xml file.

privid: Unique identifying value.
privName: Name of privilege.

apkparser_privs_join
Join table for linking reported privileges by APKParser and the Android application.

rowID: FK to the rowID in the ApkInformation table.
privID: FK to the privID in the apkParser_privs table

SigningInfo
Returns information about who signed the app.

rowID: FK to the rowID in the ApkInformation table.